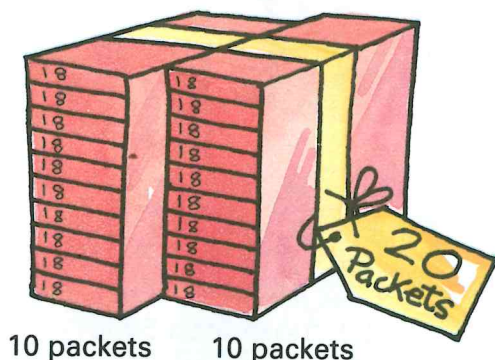


Multiplying by 20

There are 20 packets of pencils with 18 pencils in each.



10 packets 10 packets

There are 20×18 pencils altogether.

Number in 10 packets

$$\begin{array}{r} 18 \\ \times 10 \\ \hline 180 \end{array}$$

20 is
2 lots of 10

Number in 20 packets

$$\begin{array}{r} 180 \\ \times 2 \\ \hline 360 \end{array}$$

To multiply by 20 — multiply by 10 and then multiply the answer by 2.

1 Do these in the same way:

(a) 20×24

(b) 20×32

(c) 20×63

(d) 20×17

(e) 20×1

(f) 20×123

(g) 20×333

(h) 20×417

(i) 20×104

(j) 20×4

We can find 20×18 this way:

Step 1

$$\begin{array}{r} 18 \\ \times 20 \\ \hline 0 \end{array}$$

Step 2

$$\begin{array}{r} 18 \\ \times 20 \\ \hline 360 \end{array}$$

We write

$$\begin{array}{r} 18 \\ \times 20 \\ \hline 360 \end{array}$$

Put a 0 in the
units column.

2 (a) $\begin{array}{r} 14 \\ \times 20 \\ \hline \end{array}$

(b) $\begin{array}{r} 32 \\ \times 20 \\ \hline \end{array}$

(c) $\begin{array}{r} 83 \\ \times 20 \\ \hline \end{array}$

(d) $\begin{array}{r} 78 \\ \times 20 \\ \hline \end{array}$

(e) $\begin{array}{r} 49 \\ \times 20 \\ \hline \end{array}$

(f) $\begin{array}{r} 12 \\ \times 20 \\ \hline \end{array}$

(g) $\begin{array}{r} 134 \\ \times 20 \\ \hline \end{array}$

(h) $\begin{array}{r} 213 \\ \times 20 \\ \hline \end{array}$

(i) $\begin{array}{r} 317 \\ \times 20 \\ \hline \end{array}$

(j) $\begin{array}{r} 268 \\ \times 20 \\ \hline \end{array}$

(k) $\begin{array}{r} 302 \\ \times 20 \\ \hline \end{array}$

(l) $\begin{array}{r} 24 \\ \times 20 \\ \hline \end{array}$

3 Which product is greater:
 20×18 or 19×19 ?

4 Bob's dad made a path with
20 old slabs costing 49p each.

(a) What was the total cost of the slabs?

(b) If each slab is 92 cm long,
what is the total length
of the path?

